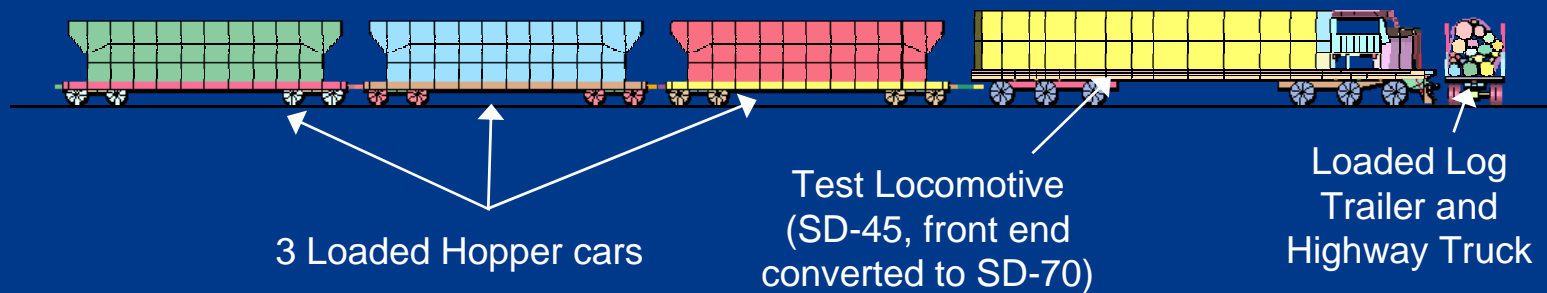


Locomotive Collision Test #2

Grade Crossing Collision of a Freight Locomotive with a Log Truck

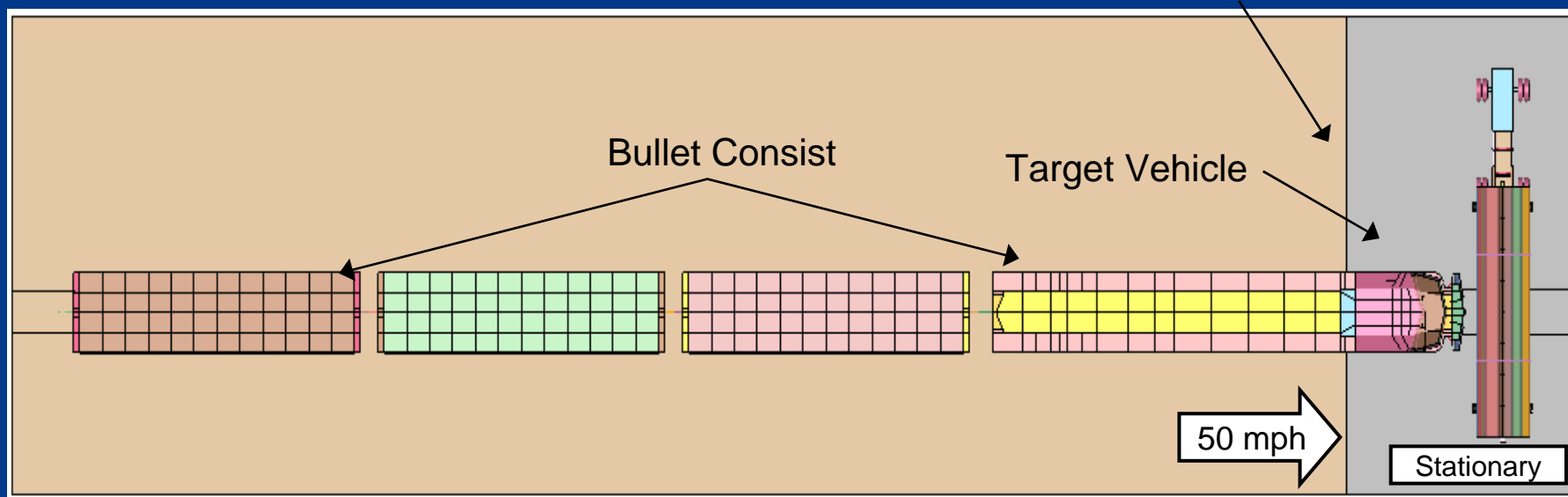


Test #2: Set-Up



Collision Speed - 50 mph

Grade Crossing



Test #2: Pre-Test Photos



Log truck and
locomotive alignment



Log arrangement

Test #2: Post Test Photos



Position of log truck following collision test



Position of locomotive following collision test

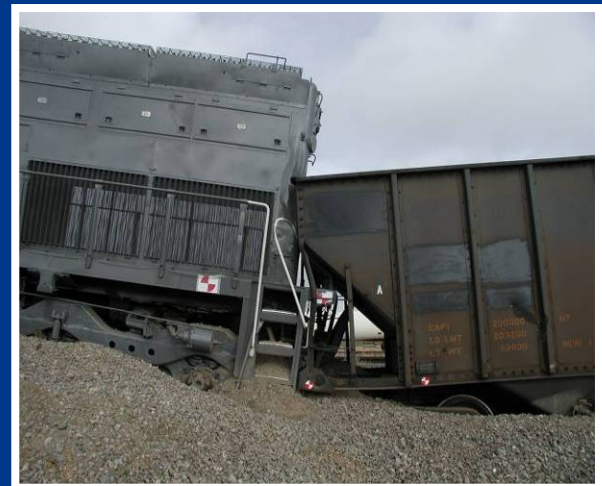


Minimum damage to locomotive end plate and anticlimber

Test #2: Post Test Photos



Hood and car body damage from logs
and subsequent hopper car impact



Test #2: Outcome

- What did we learn from this test?
 - Log truck impact did not significantly slow the locomotive
 - Collision posts not damaged, hood and sides of locomotive suffered some damage
 - Windshield posts are not significantly damaged, indicating that the crew safety would not be affected in this type of collision
 - Brake cylinder damaged by flailing log, caused loss of air pressure and brake power